



SEQUENCE LISTING

<110> ZHANG, Chunhua et al.

<120> ISOLATED HUMAN RAS-LIKE PROTEINS,
NUCLEIC ACID MOLECULES ENCODING THESE HUMAN RAS-LIKE
PROTEINS, AND USES THEREOF

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<141> 2001-01-29

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<212> DNA

<213> HOMO SAPIEN

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Ala 225	Leu	Asp	Cys	Ser	Thr 230	Ser	His	Leu	Asp	Glu 235	Phe	Tyr	Ser	Asp	Pro 240	
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Pro	Leu	Met	Thr 260	Phe	Asn	Leu	Tyr	Glu 265	Glu	Trp	Thr	Gln	Val 270	Ala	Ser	
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Asn	Ile	Ala	Ile	Val 325	Leu	Gly	Pro	Asn	Leu 330	Leu	Trp	Ala	Arg	Asn 335	Glu	
Gly	Thr	Leu	Ala 340	Glu	Met	Ala	Ala	Ala 345	Thr	Ser	Val	His	Val 350	Val	Ala	
Val	Ile	Glu 355	Pro	Ile	Ile	Gln	His 360	Ala	Asp	Trp	Phe	Phe 365	Pro	Glu	Glu	
Val	Glu 370	Phe	Asn	Val	Ser	Glu 375	Ala	Phe	Val	Pro	Leu 380	Thr	Thr	Pro	Ser	
Ser 385	Asn	His	Ser	Phe	His 390	Thr	Gly	Asn	Asp	Ser 395	Asp	Ser	Gly	Thr	Leu 400	
Glu	Arg	Lys	Arg	Pro 405	Ala	Ser	Met	Ala	Val 410	Met	Glu	Gly	Asp	Leu 415	Val	
Lys	Lys	Glu	Ser 420	Pro	Pro	Lys	Pro	Lys 425	Asp	Pro	Val	Ser	Ala 430	Ala	Val	
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Pro	Gln 450	Ala	Ala	Ala	Gly	Ser 455	His	Gln	Leu	Ser	Met 460	Gly	Gln	Pro	His	
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Pro	Lys	Pro 515	Pro	Thr	Arg	Ser	Pro 520	Ser	Pro	Pro	Thr	Gln 525	His	Thr	Gly	
Gln	Pro 530	Pro	Gly	Gln	Pro	Ser 535	Ala	Pro	Ser	Gln	Leu 540	Ser	Ala	Pro	Arg	
Arg	Tyr	Ser	Ser	Ser	Leu	Ser	Pro	Ile	Gln	Ala	Pro	Asn	His	Pro	Pro	

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 565 570 575
 Ser Gln Gly Pro Pro Asn Pro Met Ala Leu Pro Ser Glu His Gly Leu
 580 585 590
 Glu Gln Pro Ser His Thr Pro Pro Gln Thr Pro Thr Pro Pro Ser Thr
 595 600 605
 Pro Pro Leu Gly Lys Gln Asn Pro Ser Leu Pro Ala Pro Gln Thr Leu
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 Ala Gly Gly Asn Pro Glu Thr Ala Gln Pro His Ala Gly Thr Leu Pro
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 Arg Pro Arg Pro Val Pro Lys Pro Arg Asn Arg Pro Ser Val Pro Pro
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 Pro Pro Gln Pro Pro Gly Val His Ser Ala Gly Asp Ser Ser Leu Thr
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 Asn Thr Ala Pro Thr Ala Ser Lys Ile Val Thr Asp Ser Asn Ser Arg
 675 680 685
 Val Ser Glu Pro His Arg Ser Ile Phe Pro Glu Met His Ser Asp Ser
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 Thr Glu Ser Thr Ala Leu
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 35 40 45
 Arg Leu Ile Ala Cys Phe Gln Gly Gln His Gly Thr Asp Ala Glu Arg
 50 55 60
 Arg His Lys Lys Leu Pro Leu Thr Ala Leu Ala Gln Asn Met Gln Glu
 65 70 75 80
 Ala Ser Ala Gln Leu Glu Glu Ser Leu Leu Gly Lys Met Leu Glu Thr
 85 90 95
 Cys Gly Asp Ala Glu Asn Gln Leu Ala Phe Glu Leu Ser Gln His Glu
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 Val Phe Val Glu Lys Glu Ile Met Asp Pro Leu Tyr Gly Ile Ala Glu
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 Val Glu Ile Pro Asn Ile Gln Lys Gln Arg Lys Gln Leu Ala Arg Leu
 130 135 140
 Val Leu Asp Trp Asp Ser Val Arg Ala Arg Trp Asn Gln Ala His Lys
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 Ser Ser Gly Thr Asn Phe Gln Gly Leu Pro Ser Lys Ile Asp Thr Leu
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 Lys Glu Glu Met Asp Glu Ala Gly Asn Lys Val Glu Gln Cys Lys Asp
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 Gln Leu Ala Ala Asp Met Tyr Asn Phe Met Ala Lys Glu Gly Glu Tyr
 195 200 205
 Gly Lys Phe Phe Val Thr Leu Leu Glu Ala Gln Ala Asp Tyr His Arg
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 Lys Ala Leu Ala Val Leu Glu Lys Ala Leu Pro Glu Met Arg Ala His
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 Gln Asp Lys Trp Ala Glu Lys Pro Ala Phe Gly Thr Pro Leu Glu Glu
 245 250 255
 His Leu Lys Arg Ser Gly Arg Glu Ile Ala Leu Pro Ile Glu Ala Cys

Val	Met	Leu	260	Leu	Glu	Thr	Gly	Met	Lys	Glu	Glu	Gly	270	Leu	Phe	Arg
Ile	Gly	Ala	275	Gly	Ala	Ser	Lys	Leu	Lys	Leu	Lys	Ala	285	Ala	Leu	Asp
Cys	Ser	Thr	Ser	His	Leu	Asp	Glu	Phe	Tyr	Ser	Asp	Pro	His	Ala	Val	320
Ala	Gly	Ala	Leu	Lys	Ser	Tyr	Leu	Arg	Glu	Leu	Pro	Glu	Pro	Leu	Met	
Thr	Phe	Ser	Leu	Tyr	Glu	Glu	Trp	Thr	Gln	Val	Ala	Ser	Val	Gln	Asp	
Gln	Asp	Lys	Lys	Leu	Gln	Tyr	Leu	Trp	Thr	Thr	Cys	Gln	Lys	Leu	Pro	
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Ala	Glu	Ile	Ala	Ala	Ala	Thr	Ser	Val	His	Val	Val	Ala	Val	Ile	Glu	
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Arg	Pro	Ala	Ser	Met	Ala	Val	Met	Glu	Gly	Asp	Leu	Val	Lys	Lys	Glu	
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Thr	Asp	Thr	Asn	Ser	Arg	Val	Ser	Glu	Ser	Leu	Arg	Asn	Ile	Phe	Pro	
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770

775

780